

AMENDMENTS TO THE CLAIMS

1-5. (Cancelled)

6. (Withdrawn) A mobile object position detecting method which detects a position of a mobile object according to position information transmitted from an external position information transmission apparatus, comprising:

a reception status detecting step of detecting presence/absence of receiving position information;

a travel distance obtaining step of obtaining a travel distance of a mobile object receiving no position information;

a determining step of determining abnormal reception due to faulty equipment when said travel distance exceeds a predetermined distance; and

a warning step of warning of abnormal reception when said determining step determines abnormal reception.

7. (Withdrawn) A mobile object position detecting method which detects a position of a mobile object according to position information transmitted from an external position information transmission apparatus, comprising:

a reception status detecting step of detecting presence/absence of receiving position information;

a traveling time obtaining step of obtaining a traveling time of a mobile object receiving no position information;

a determining step of determining abnormal reception due to faulty equipment when said traveling time exceeds a predetermined time; and

a warning step of warning of abnormal reception when said determining step determines abnormal reception.

8. (Withdrawn) The mobile object position detecting method according to claim 7, further comprising

a mobile object speed detecting step of detecting a speed of a mobile object, wherein

a traveling time of said mobile object is a real traveling time in which a speed of the mobile object is detected as greater than 0 km/h.

9. (Withdrawn) The mobile object position detecting method according to claim 6, wherein

said mobile object is a vehicle, and said travel distance obtaining step obtains a travel distance based on a turn of wheels.

10. (Withdrawn) The mobile object position detecting method according to claim 6, wherein

said determining step releases a determination abnormality when position information is first received after determining abnormal reception.

11-13. (Cancelled)

14. (New) A movable object emergency information apparatus, comprising:
a control unit;
an antenna configured to receive radio waves from a satellite;
a receiver configured to calculate vehicle position information of the movable object based on the received radio waves and supply the vehicle position information to the control unit;

an emergency sensor configured to provide emergency information related to the movable object to the control unit;

a speed detecting device configured to supply speed information of the movable object to the control unit; and

an indicator configured to warn an occupant of the movable object that reception of the radio waves has become abnormal due to one of a plurality of faulty radio wave reception conditions;

wherein the control unit is configured to compute a travel distance of the movable object when the vehicle position information is not received from the receiver due to one or more of the plurality of faulty radio wave reception conditions, or else due to geographic limitations to radio wave reception.

15. (New) The apparatus of claim 14, wherein the movable object is a wheeled vehicle and the speed detecting device provides the speed information based on a speed signal generated by wheel rotation.

16. (New) The apparatus of claim 14, wherein the plurality of faulty radio wave reception conditions include interference with the radio waves by at least one of a component provided on the movable object, or a faulty connection in the antenna or the receiver.

17. (New) The apparatus of claim 14, wherein the control unit is further configured to disable the indicator from giving the warning when the position information

is not received from the receiver, due only to geographic limitations to radio wave reception.

18. (New) The apparatus of claim 14, further comprising a timer configured to calculate a time the movable object travels without the control unit receiving position information; and

wherein the control unit is configured to determine the existence of faulty radio wave reception conditions when the calculated time exceeds a predetermined time.

19. (New) The apparatus of claim 14, wherein the emergency information provided by the emergency sensor includes at least one of ~~one of~~ airbag deployment, collision, and equipment malfunction.

20. (New) The apparatus of claim 14, further comprising a voice transmitter and receiver.

21. (New) The apparatus of claim 14, wherein the control unit is configured to determine the existence of faulty radio wave reception conditions when the computed travel distance exceeds a predetermined distance.

22. (New) A movable object emergency information apparatus comprising
a control unit;
an antenna configured to receive radio waves from a satellite;

a receiver configured to calculate vehicle position information of the movable object based on the received radio waves and supply the vehicle position information to the control unit;

an emergency sensor configured to provide emergency information related to the movable object to the control unit;

a speed detecting device configured to supply speed information of the movable object to the control unit;

a timer configured to calculate a time during which the control unit does not receive vehicle position information from the receiver due to one or more of a plurality of faulty radio wave reception conditions, or due to geographic limitations to radio wave reception, and during which the speed information indicates that the movable object is traveling; and

an indicator configured to warn an occupant of the movable object that reception of the radio waves has become abnormal due to one of the plurality of faulty radio wave reception conditions;

wherein the control unit is configured to determine the existence of faulty radio wave reception conditions when the calculated time exceeds a predetermined time.

23. (New) The apparatus of claim 22, wherein the movable object is a wheeled vehicle and the speed detecting device provides the speed information based on a speed signal generated by wheel rotation.

24. (New) The apparatus of claim 22, wherein the plurality of faulty radio wave reception conditions include interference with the radio waves by at least one of a component provided on the movable object or a faulty connection in the antenna or the receiver.

25. (New) The apparatus of claim 22, wherein the control unit is further configured to disable the indicator from giving the warning when the position information is not received from the receiver, due only to geographic limitations to radio wave reception.

26. (New) The apparatus of claim 22, wherein the emergency information provided by the emergency sensor includes at least one of airbag deployment, collision, and equipment malfunction.

27. (New) The apparatus of claim 22, further comprising a voice transmitter and a receiver.